

Oxide Inclusions in Iron-Chromium-Oxygen Melts,  
by W. Koch, et al.

GERMAN, per, Archiv Eisenhuttenwesen, May 1960,  
pp 279-286.

BIBI 1780

Sci - Chem

Sep 60

127, 201

Treatment of Commercial Aluminium and Aluminium  
Alloys with Chlorine and Nitrogen, by W. Koch, 4 p.

GERMAN, per, Zeit fur Metallkunde, 1931, Vol XXXI,  
No 3, pp 95-96.

SLA 59-20358

Sci  
Mar 60  
Vol 2, No 12

109236

A Simpler Chlorine Vacuum Separation  
Technique, by W. Koch, O. Gausch. <sup>UECL</sup>

GERMANY, pfr, Arch Risenbutter, <sup>H</sup>  
Dec 1959, pp 723-730.

RISI 1635

(15)

114, 313

Sci - Chem  
Apr 60

Apparatus for the Isolation of Residues in Alloyed  
and Unalloyed Steels, by P. Klinger, W. Koch.  
GERMAN, pamphlet, Strohlein & Co., Dusseldorf, 5 pp.

MMR 21A2

Sci - Min/Metals

Sep 61

list 109

168, 482

Experimental Proof of Ion Sheaths Surrounding  
Rectifier Electrodes During D<sub>2</sub>-ionization, by  
W. Koch, 10 pp.

GERMANY, 1936, Z. Tech. Phys., Vol XVII, 1936,  
pp 446-452.

S.L.A. Tr No 57-111

Sci - Nuclear Physics  
Apr 57

46,901

The Effect of Aluminium on the Properties of  
Mild Steels, by K. Born, W. Koch. UNCL

GERMAN, per, Stahl u Eisen, Vol LXXII, No 14,  
1952, pp 820-832.

British Iron and Steel Ind  
(no number given)

Sci - Min/Met  
Sep 59

98/139

Microanalytical Investigation in Ferrous Research.  
II. Spectrochemical Investigation of Isolated  
Structural Constituents in Steels, by W. Koch,  
S. Eckhard. UNCL

GERMAN, per, Arch Eisenhuettenwesen, Vol XXVII,  
1955, pp 165-176.

British Iron and Steel Ind  
(no number given)

Sci - Phys  
Sep 59

98, 242

Radio Tracer Technique as Applied to Investigation  
of the Metallurgical Processes in a 50-Ton Open-  
Hearth Furnace, by W. Koch and K. Fink.

GERMAN, Archiv Fur Das Eisenhuttenwesen, Vol 22,  
1951, No 11-12, pp 371-375.

Brutcher Tech Tr No 2932

Electromagnetic Methods of Nondestructive Testing.  
Part I of 'New Methods of Quality Control With  
Special Reference to Their Automation', by  
F. Förster, K. Sprungmann, A. Michalski, W. Koch.

GERMAN, per, Technische Mitteilungen, Vol L, No 4,  
1957, pp 162-174.

Henry Bratcher  
Tr 3956  
\$13.40

Sci - Electronics  
Aug 57

50,688

Determination of Nitrogen in Steel, W. H. Koch,  
K. H. Staudt,  
Gmelin, Ber., [Z. Anal. Chem.], Vol 150, No 1,  
1962, pp 31-51.  
DBI 5012

W. Koch

66

319,024

Sci - Materials  
Feb 67

KLINGER, P.  
KOCHE, W.  
SWERDYL, E.

Archiv Eisenhüttenwesen, vol. 6, 9 figures, 11 tables,  
11600 words; 1936.

Potentiometric Determination of Molybdenum and  
Titanium in Steel, Ferroalloys, and Ores in the  
Presence of Iron and Accompanying Elements.

Breitner Trans., Order No. 327 \$11.60 A-5454

In What Ways and to What Degree can the Internal Transport, the Handling Plant and the Production Plant be Integrated, by E. Bergmann, W. Koch.

GERMAN, rpt., International Paper Presented at the International Works Transport Conference Paris, May 1963.

BISI 3401

241, 686

Sci - Engr  
Nov 63

New Methods for the Examination of Gases in Steels,  
W. Koch.

GERMANY, per, Berg u Metallurgie Monatsh, Vol C, No  
7-8, 1953, pp 225-229.

AMERICAN LIBRARIES

Sci

Aug 59

74, 220

ON THE BEHAVIOUR OF COPPER, PHOSPHORUS AND ARSENIC  
IN THE ELECTROLYTIC DECOMPOSITION OF IRON ALLOYS,  
BY W. KOCH.

GERMAN, PER, ARCHIV EISENHUTTENWESEN, VOL XXXIII,  
NO 2, 1962, PP 85-89.

HB 5562

SCI - MIN/MET  
AUG 62

206,991

Spectrometric Rapid Analysis of Gases in Steel, by  
W. Koch.

Gesamt., per, Archiv Eisenhüttenwesen, Vol XXX,  
No 3, 1959, pp 137-144.

Henry Bratcher 4558

Sci - Engr

Jun 59

88,351

Electrochemical Basis of the Isolation of  
Structural Components in Steels, by W. Koch,  
H. Sundermann. UNEP

GERMANY, por, Arch Eisenhuettenwesen, No 7, 1957,  
pp 557-566.

British Iron and Steel Ind 1029  
(L7 10s.0d.)

Sci - Min/Met 61-18437  
Jan 59

79,790

Magnetic Separation of Electrolytically  
Isolated Structural Constituents From Metallic  
Materials, by K. Koch, H. Sudermann. UNCLASSIFIED

GERMAN, pub, Arch Eisenhuettenwes, NO 4, 1955,  
pp 219-224.

British Iron and  
Steel Ind 1028  
(LA.10.0)

76.040

Sci - Min/Net OTC G-1000  
Nov 58

KLINGER, P.

KOCH, W.

Archiv Eisenhüttenwesen, vol. 10, 8 figures,  
4 tables, 4900 words; 1937.

Microchemical Determination of Nitrogen in Steel  
with Special Reference to the Analysis of Surfaces.

Bratcher Trans, Order No. 382 \$4.90

A 54 S5

KOCH, W.

Technische Mitteilungen Krupp, Forschungsberichte,  
vol. 1, 2 figures, 1 table, 2100 words; 1938.

Quick Micromethod for Chromium in Steel.

Brutcher Trans, Order No. 1292 \$2.60

A 5536

ECKH, W.

Technische mitteilungen krmn, forschungsrat für,  
vol. 1, 2 figures, 3 tables, 3310 words; 1938.

Wick: Microsat'ed for Phosphorus in Steel.

A 5537

British Trans, Order No. 1500, "1.10.

KOCH, W.

TECHNISCHE MITTEILUNGEN KRUIP, Forschungs-Perichte,  
vol 1, 1938

Quick Micromethod for Aluminum in Steel

Brutcher Trans 1429, \$4.70

A S S 38

Progress in the Isolation of Inclusions and  
Structural Constituents in Alloyed and Unalloyed  
Steel, by P. Klinger, W. Koch.

GERMAN, per, Stahl u Eisen, Vol LXVIII, Nos 19/20,  
1948, pp 321-333.

DBIR 34104/cr

Sci - Minerals/Metals  
Mar 59

83,302

On the Best Ways of Deoxidizing Molten Steel, by  
W. Koch and P. Wever. UNCLASSIFIED

GERMAN, per, Stahl und Eisen, vol LXXIV, No 5, 1954,  
pp 264-271.

Brutcher Tr 3268

Scientific - Minerals/Metals

Price \$9.20

11,949

Production of Chromized Layers on Steel, by H. Bennek,  
W. Koch, W. Tschirhart.

GERMAN, per, Stahl und Eisen, Vol LXIV, 1944.

Breitbach Tr 1620

Scientific - Min/Metals                    \$3.50  
12,690

HOUDEMONT, E.O.

KOCH

WIESTER, E.J.

ARCHIV EISENHUTTENESSEN, vol 10, 1945, los 7-1, pp 147-  
154

Brutcher Trans 1825, \$9.90

A. 423 /

KLINGER, P.  
HOCH, W.

Archiv Fur Das Eisenhuttenwesen, vol. 13, 1939-40, #3,  
pp. 127-132. 7 figures, 3 tables, 5700 words.

Photometric Determination and Separation of Columbium,  
Tantalum, and Titanium in Steel and Ferroalloys.

Bratcher Trans., Order No. 2586, \$9.50

A 2450

Contribution to the Rapid Determination of Copper  
in Steel by W. Koch and K. Behrens.

GERMAN, per, Archiv für das Eisenhüttenwesen,  
Vol XXIII, No 1/2, 1952, pp 35-36.

Bratcher Tr No 2864

Scientific - Min/Metals

13,974

Contribution to the Isolation of Sulphides in  
Steels, by W. Koch, E. Artner. UMCL

GERMAN, per, Arch Eisenhuettenwesen, BM 2950x  
Dec 1958, pp 737-744.

British Iron and Steel Ind 1214

Sci - Chem  
Aug 59

93, 399

The State of Development of Transport by Locomotives and  
Other Mobile Equipment in German Steelworks, by  
W. Koch, A. Muller.

GERMAN, Paper Presented at the International  
Steelworks Transport Conference, Milan, Jun 1961

BISI 2177

Sci - Engr

171, 411

Oct 61

Refining of Aluminium and its Alloys by  
Treatment With Chlorine and Nitrogen Pt 1., by  
W. Koch, 7 p.

GERMAN, per, Metallwirtschaft, 1931, Vol X,  
pp 69-72.

SLA 59-15867

Sci  
Dec 59  
Vol 2, No 6

103, 899

KOCH, W.  
WENFRUP, H.  
REIF, O.

Chemical and Physico-Chemical Principles of  
Deoxidation (of Steel) with Manganese, Silicon, and  
Aluminum.

ARCHIV FUR DAS EISENHUTTENWESEN, vol 22, 1951, #1-2,  
pp 15-29; 24 figures, 14 tables, 8200-word condensed  
translation.

Brutcher No 2809, \$15.75

A-C-39

Koch, W., Eckhard, S., and Stricker, F.  
A NEW METHOD FOR THE SPECTRAL ANALYSIS  
OF GASES. [1960] 8p.  
Order from ATS \$10.85

ATS-74M45G

Trans. of Angew[andte] Chem[ie] (West Germany)  
1959, v. 71, no. 17, p. 545-549.

61-12421

1. Gases--Spectrographic analysis
- I. Koch, W.
- II. Eckhard, S.
- III. Stricker, F.
- IV. ATS-74M45G
- V. Associated Technical Services, Inc.,  
East Orange, N. J.

Office of Technical Services

(Chemistry--Analytical, TT, v. 5, no. 6)

Koch, W., Lischner-Gensch, C., and Rohde, H.  
THE FORMATION OF A CUBIC NITRIDE IN ALUMINUM-CONTAINING STEELS. [1961] [10]p.  
Order from SLA \$1.10 61-18900

Trans. of Archiv für das Eisenhüttenwesen (West Germany) 1956, v. 27, no. 11, p. 701-706.

DESCRIPTORS: Aluminum, \*Steels, Chemical properties, \*Nitrides, Precipitation, Microanalysis.

Test pieces of low-carbon steel with 0.005 to 1.75% aluminum were nitrided for 17 hours at 600°C in ammonia, and subsequently annealed for 48 hours at 1000°C in a stream of ammonia. The structures of the nitrided layers were examined microscopically and the nitrogen distribution determined by microanalysis. The nitrogen-rich layer contained amounts of nitrogen which increase in aluminum content of steel. It was (Metallurgy--Ferrous Metals, TT, v. 6, no. 9) (over)

61-18900

I. Koch, W.  
II. Lischner-Gensch, C.  
III. Rohde, H.

Office of Technical Services

SETEE

(NY-3849)

The Production of Smelter-Slag Pumice in East  
Germany, by Kurt Saeuberlich, Joachim Guenther,  
Walter Koch, 5 pp.

GERMAN, per, Neue Huette, Vol V, No 1, 1960,  
Berlin, pp 18-20.

JPRS 5262

EEur - Germany  
Econ - Mining, metallurgy  
Aug 60

123,025

The Transformation Kinetics of Steels; the  
Composition of the Reactants During the  
Transformation of a Chromium-Manganese Steel in  
the Pearlite Range, by Franz Weyer, Walter Koch,  
16 pp.

GERMAN, per, Archiv fur das Eisenhuttenwesen,  
Vol XXI, No 5/6, 1950, pp 143-152.

SLA 60-18629

146,165

Sci

Apr 61

Koch, Walter and Helm, Gerda.  
THE ACCUMULATION OF ESTROGENS IN THE  
ANIMAL BODY I. HORMONALLY CASTRATED  
COCKERELS (Die Speicherung von Oestrogenen im  
Tierkörper). [1968] (9p) 6refs  
Order from SLA \$1.10

TT-64-10348

Trans. of Endokrinologie (East Germany) 1952, v. 29,  
no. 5/6, p. 288-293.

TT-64-10348

- I. Koch, W.
- II. Helm, G.
- III. Title: Hormonally...

183437

(Biological Sciences--Physiology, TT, v. 11, no. 12)

Office of Technical Services

Koch, Walter, Schrader, Angelica and others.  
CHANGES IN THE STRUCTURE OF AUSTENITIC  
STEELS IN CREEP RUPTURE TESTS. Rept. no. 1143  
of the Material Panel of the Verein Deutscher  
Eisenhüttenleute. [1961] 22p. 17 refs.  
Order from SLA \$2.60 61-18383

Trans. of Stahl und Eisen (West Germany) 1958 [v. 78]  
no. 18 [p. 1251-1262] (Max Planck Institut für Eisen-  
forschung) (West Germany). [Communication] 776.  
Another trans. is available from BISI £ 6 10s as  
BISI-1070 [1960]; summary trans. available from SLA  
m\$1.80, ph\$1.80 as 59-10159 [1959] [2p].

DESCRIPTIONS: \*Steel, \*Microstructure, \*Creep, Car-  
bides, Chromium alloys, Nickel alloys, Intermetallic  
compounds, Rupture, \*Austenite, Stresses, Alloys,  
Eutectics, Titanium, Niobium, Molybdenum, \*Crystal  
structure, \*Heat resistant alloys, Grains (Metallurgy),  
(Metallurgy--Structural, TT, v. 7, no. 1)

61-18383

I. Koch, W.  
II. Schrader, A.  
III. Title: Verein ...  
IV. Max ... Communication 776

184195

Office of Technical Services

Influence of Aluminum on the Properties of Mild  
Unalloyed Steels, by Kurt Born, Walter Koch.

Full translation.

GERMAN, per, Stahl u Eisen, Vol LIXII, 1952, pp 1268-  
1277.

Nova Scotia No 194  
Born + Koch  
BIS ITS - 163

Scientific - Minerals/Metals

Aug 53 CTS

4599

[Koch, Walter].

ELECTROLYTIC ISOLATION OF THE CARBIDES IN  
ALLOY AND UNALLOYED STEELS. [Dec 50] 17p.

(15 figs. omitted) 41 refs.

Order from SLA mi\$2.40, ph\$3.30 60-18603

Trans. of Stahl und Eisen (West Germany) 1949, v. 69  
[no. 1] p. 1-8.

(Metallurgy, TU, v. 5, no. 2)

60-18603

1. Steel--Metallurgical analysis
2. Carbides--Separation
3. Electrolysis--Applications
4. Koch, W.

Office of Technical Services

Koch, W[alter] and others.  
THE CARBIDES AND THE CREEP BEHAVIOUR OF  
Cr-Mo-V STEELS. [1960].  
Order from BISI 45 10s

BISI-714

Trans. of Arch[iv für das] Eisenhüttenwesen (West  
Germany) 1957, v. 28 [no. 8] p. 445-459.

(Metallurgy--Ferrous Metals, TT, v. 5, no. 9)

61-12875

1. Steel--Creep
2. Carbides--Properties
- I . Koch, W.
- II . BISI-714
- III . British Iron and Steel  
Industry Translation  
Service

Office of Technical Services

Testing Apparatus For ~~Test~~ Thermal Conductivity of  
Plastics, by We. Koch.

GERMAN.

USDA per  
NC State College Vol 781

Jun 59

Principles of the Isolation of Structural Constituents in Steels, by W. Koch, H. Sundermann, 13 pp.

GERMAN, per, Radek Rundschau, MG No 5/6,  
1957, pp 679-692.

Broken Hill Proprietary  
Co Ltd

Sci & Min/Met  
Nov 51

Koch, Wilhelm and Guthke, Friedrich Wilhelm.  
PROCESS FOR THE PRODUCTION OF PURE CONDEN-  
SATION PRODUCTS FROM PHENOL AND KETONES.  
[1962] 5p.

Order from OTS or SLA \$1.10      62-16253

Trans. of German patent 604,406, cl. 12q, gr. 16,  
1 45574 IVa/12q, by I. G. Farbenindustrie Akt.-Ges.,  
granted 4 Oct 34, pub. 20 Oct 34, pat. 22 Oct 32.

DESCRIPTORS: \*Phenols, \*Ketones, Condensation,  
Salts, Production

(Engineering--Chemical, TT, v. 9, no. 1)

62-16253

I. Koch, W.  
II. Guthke, F. W.  
III. Patent (Germany) 604 406

Office of Technical Services

Kochakian, Ch. D.  
ANABOLIC AND ANDROGENIC ACTIVITY OF  
ANDROGENS (Die Anabole und Androgene Aktivität  
von Androgenen). [1961] 12p. 38 refs.  
Order from SLA \$1.60 62-10338

Trans. of Klin[ische] W[ochen[schrift]] (Germany)  
1961, v. 39, 1 Sep, p. 881-884.

DESCRIPTORS: Metabolism, Proteins, Tissues  
(Biology), \*Androgens, Reproductive system,  
Pharmacology, Steroids.

The anabolic activity of the endrogens is expressed by  
their activity on a number of tissues other than the  
accessory sex organs. The androgen molecule was  
modified in order to obtain a steroid which would de-  
velop above all an anabolic action on the peripheral  
tissues. Therefore the reaction of various tissues has  
(Biological Sciences--Pharmacology, TT, v. 7, no. 9)  
(over)

62-10338

1. Title: Perandren
2. Title: Metandren
1. Kochakian, C. D.

206155

Office of Technical Services

Accuracy of Measuring Resistance With a Double  
Bridge, by V. A. Kochan, 15 pp.

RUSSIAN, no per, Elektrichestvo, No 3, 1955,  
pp 65-68.

Sci Mus Lib No 56/3147

44,030

Sci - Electricity

Maximum Sensitivity of a Simple Bridge Circuit at Balance, by V. A. Kochan, 6 pp.

RUSSIAN, per, Izmeritel Tekh, No 3, 1959,  
pp 36-38.

Instru Soc of Amer

Sci

Jun 60

117,675-

Kochaskov, G.  
COPERACION FRIGORIFICA DE QUEBOS (Opyt  
Kharaniya Syrov na Kholodil'nikakh) (Low Tempera-  
ture Cheese Preservation). 14p. CID: 62-216.  
Order from OTS, ETC or CID \$0.50 62-29216

Trans. in Spanish of Kholodil'naya Tekhnika (USSR)  
1958, v. 35, no. 3, p. 38-41.

DESCRIPTORS: "Frozen food, Storage, Preservation,  
"Cheese."

(Food, TT, v. 10, no. 9)

62-29216

I. Kochaskov, G.  
II. CID-62-216  
III. Centro de Información  
y Documentación,  
Madrid (Spain)

Office of Technical Services

(NY-4717)

The Effect of Gibberellin on Plant Growth and Development, by M. Kh. Chaylakyan, V. G. Kochankov, V. E. Zamota, 7 pp.

RUSSIAN, per, Fiziologiya Rasteniy, Vol VII, No 3, 1960, 3 pp 340-343.

JPRS 5860

Sci - Biology

133,444

Nov 60

Determination of Trajectories in the Plane Three-Electrode Lens, by E.S. Kochanov, 7 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXXIII, No 11,  
1963, pp 1301-1310.

Amer Inst of Phys  
Sov Phys - Tekh Phys  
Vol VIII, No 11

Sci  
May 64

259,603

Analytical Determination of the Trajectories of  
Charged Particles in Plane Electrostatic Fields, by  
E.S. Kochanov, 6 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXXII, No 1, 1962,  
pp 294-302.

Amer Inst of Phys  
Sov Phys - Tech Phys  
Vol VII, No 3

Sci

Aug 62

213,650

Concerning the Toxicity of Ethylene Trifluoride, by N. N. Kochanov, 8 pp.  
BUREAU, per. Chemical Trade & Professional-Journal, Vol 8, No 10, 1964, pp 21-26.  
JPRSIS 28051

Sci-Chem  
Mar 65

276,627

Meetings of Element Commanders, by V. P. Babkov,  
A. K. Kochanov, K. A. Gorodnichenko, 8 p.

RUSSIAN, per, Vest Voz Flota, No 7, 1959, pp 47-52.  
652066.

NTIC

URSSR

MIL

106,663

Feb 60

Compilation of Tables for Calculating Transient Response Curves of Electric Filters, by N. S. Kochanov, 7pp.

RUSSIAN, per. Elektrosvyaz, No 9, 1962.

AIEE

Sci

Apr 63

232,979

The Interpolation of Functions by Exponential Polynomials and Its Application to the Synthesis of Electrical Circuits With Respect to Time Characteristics, by N. S. Kochanov, 9 pp.

RUSSIAN, per, Radiotekhnika, Vol XV, No 8, 1960,  
pp 61-66.

PP

Sci -  
Apr 61

146,565

(NY-5232)

Designing a Balancing Line on the Basis of the  
Given Initial-Current Curve, by N. S. Kochanov,  
9 pp.

RUSSIAN, per, Vestnik Svyazi, No 6, 1953.

JPRS 7104

Sci

Apr 61

146, 737

(HY-4341)

To the Problem on the Synthesis Method of  
Linear Electric Circuits for Given Time  
Characteristics, by M. S. Kochanov, 20 pp.

RUSSIAN, per, Iz Vynashikh Ucheb Zaved, NVO SSSR,  
Ser Radiotekh, Vol II, No 3, May/Jun 1959.

JPRS 5678

Sci

Nov 60

133,575

The Relationship Between Linear Spectra, Impulse Responses and Their Laplace Transforms. By V. I. Kochanov, 6 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XXI, No 1, 1966, pp 20-28.

Institut Soc of Amer

1887 6 27

Sci.  
Oct 60

On Some Properties of Discontinuous Screens in  
a Balanced Circuit, by N. S. Kochanov,

RUSSIAN, per, Electrosviaz, 1958, No 3, pp 58-62.

Pergamon Press

Sci

Feb 60

108, 283

Sweden's Cement Industry, by E. B. Kochanova, 2 pp.

RUSSIAN, per, Cement, No 1, 1957, p 30.

Consultants Bureau

Eci - Engineering  
Jul 58

66, 331

Certain Characteristics of the Brittle Fracture  
of Metal Crystals, by E. D. Shchukin, & L. A.  
Kochanova, V. I. Likhman, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,  
No 5, 1960, pp 1064-1066.

AIP  
Sov Phys- Doklady  
Vol V, No 4

Sci

141, 715

Mar 61

Nucleation and Development of Cracks in Deformed  
Crystals, by L. A. Kochanova, E. D. Shekhtman, V. I.  
Lichtman, P. A. Rehbinder, 3 pp. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk, SSSR, Vol CXXXIII, No 1,  
1960, pp 71-73.

Navy Nr 2731/NML 826

Sci - Physics  
Feb 61

138, 977

Influence of a Low Melting Point Molten Metal on  
the Mechanical Properties of Single Crystals of  
More Refractory Metals, by L. A. Moshanova,  
V. I. Lichtenstein, F. A. Rebindar, 6 pp.

RUSSIAN, per, Fix Metal i Metall, Vol VIII,  
No 2, 1959, pp 288-293.

PP

134, 930

Sci

Dec 60

Interaction of Polar Flotation Reagents With Coal,  
by V. I. Klassen, L. A. Kochanova.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 7, 1956, pp 121-123.

Dept of Interior  
Bur of Mines

Sci - Chem

Apr 58

61, 156

Brittle Fracture of Single Crystals of Zinc, by  
V. I. Likhtman, L. A. Kochanova, L. S. Bryukhanova,  
4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXX, No 5, 1958  
1958, pp 757-.

Amer Inst of Phys  
Sov Phys - Doklady  
Vol III, No 3

Sci - Phys

Jul 59

92,093

The Mechanism of the Action of Low Melting Alloys  
on the Mechanical Properties of Metals of Higher  
Melting Point, by N. V. Pertsov, Yu. V. Goryunov,  
L. A. Kochanova, V. I. Likhtman, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXVIII, No 5,  
1959, pp 1003-1005.

Consultants Bureau

Sci

Aug 60

126,534

Brittle Fracture of Pure and Alloyed Monocrystals of Zinc, by L. A. Kochanova, I. A. Andreyeva, E. D. Shchukin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 1-8,  
1959, pp 130<sup>6</sup>-1307.

CB

Sci  
Aug 60

124, 229

On the Initiation and Growth of Cracks in Strained  
Crystals, by L. A. Kochanova, E. D. Shchukin,  
V. I. Likhman, and P. A. Rebinder, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIII,  
No 1, 1960, pp 71-73.

AIP  
Sov Phys- Doklady  
Vol V, No 4

Sci

Mar 61

141, 689

Mechanism of Brittle Rupture of Metal Crystals,  
by L. A. Kochanova, E. D. Shchukin, V. I.  
Likhman, 6 pp.

RUSSIAN, per, Fizika Tverdogo Tela, Vol III,  
No 3, 1961, pp 902-910.

AIP  
Soviet Phys  
Vol III, No 3

168, 727

Sci

Sep 61

Kochanova, L. A., Shchukin, Ye. D. and others.  
NUCLEATION AND DEVELOPMENT OF CRACKS IN  
DEFORMED CRYSTALS (O Zarozhdennii i Razvitiu  
Treshchin v Deformiruyemykh Kristallakh) tr. by  
T. R. Cass. 1960, 7p. 19 refs. NRL trans. no. 826.  
Order from OTS \$0.50 61-11139

Trans. of Akademiya Nauk SSSR. Doklady, 1960,  
v. 133, no. 1, p. 71-73.

Amalgamated zinc monocrystals (99.99% pure), were subjected to uniaxial tension at room temperature and the magnitude of the tensile stress was recorded. The shear and normal stresses were determined from the relations  $\tau = P_0 \sin \gamma_0 \cos \gamma$ , and  $p = P_0 \sin \gamma_0 \sin \gamma$ , where  $P_0$  is the tension stress referred to the initial cross section, and  $\gamma$  is the angle of inclination of the basal plane to the specimen axis at a given amount of deformation. During the course of deformation and rupture two stages were encountered: (1) a more or less slow process of formation and gradual growth of (Metallurgy--Structural, TT, v. 5, no. 12) (over)

61-11139

1. Zinc crystals--Deformation
2. Zinc crystals--Phase studies
- I. Kochanova, L. A.
- II. Shchukin, Ye. D.
- III. NRL Trans-826
- IV. Naval Research Lab., Washington, D. C.

Office of Technical Services

Equipment for Electroslag Welding, by  
N. Ya. Kochanovskogo, 79 pp.

RUSSIAN, bk, Svarochnoye Oborudovaniye, Katalog-  
Spravochnik, 1960, pp 52-54, 61-70, 88-97,  
134-145, 343-344, 349-351. 9673515

PTD-TP-61-215

186,743

Sci - Engr

27 Feb 62

Work at the VNIIESO on the Automation on Welding  
Equipment, by N. Ya. Kochanovskiy, 8 pp.

RUSSIAN, per, Svaroch Proiz, No 6, 1960,  
pp 6-9.

BWEA

Sci

Jun 61

158, 487

Welding by Rotating Arc in a Magnetic Field. By  
N. Ye. Kochanovskiy, E. S. Fedev, S. M. Katler,  
11 pp.

RUSSIAN, per, Svaroch Proiz, No 8, 1959, pp 1-4.

British Welding Res Assoc

Sci  
Aug 60

122,093

Resistance Welding Equipment Now Being Produced  
and Prospects for Its Development, by N. Ya.  
Kochanovskiy, 13 pp.

RUSSIAN, per, Svaroch Proiz, No 7, 1959, pp 3-6.

British Welding Res Assoc

Sci  
Aug 60

102-2472

Present and Future Employment, by Tadeusz [redacted]

[redacted]

PLATE, p. 1, Nowe Drogi, No. 5, 1962, pp. 16-17

JFRS 15573

215, 495

Russia - Poland  
Horn, Soc  
05 62

(HY-3326).

Necessity of Balancing the Labor Force in Upper Silesia, by Tadeusz Kochanowicz, 13 pp.

POLISH, per, Gospodarka Planowa, No 9, 1959,  
pp 17-21.

JPRS 2318

KBar - Poland  
Econ - Labor Force  
March 60

110, 181

Bacterial Flora of Sea Fish From West African Fishing Grounds, Pt. I. Strains Isolated From Iced and Frozen Fish, by Jerzy Kochanowski. 14 p.  
POLISH, per. Prace Morskiego Instytutu Rybackiego, Vol 13, Ser. 3, 1964,  
pp. 95-106.  
•UFSII TT 66-57052

71

*Jerzy Kochanowski*

SL-Poland  
cti/bm  
Mar 66

NY-1804

Problems of Employment Today, by Tadeusz Koehanow-  
ski and Janusz Giedrowski, 19 pp.

POLISH, per, Nowe Drogi, No 5, Warsaw, 9 May 1958,  
pp 15-27.

US JFNS/NY-L-477

KStar - Poland  
Econ - Employment

Rev SA

77, 250

New Developments in the Production of  
Glass Fiber in Eastern Germany, by E. P.  
Kocharov, 5 pp.

RUSSIAN, per, Steklo i Keramika, Vol XVII,  
No 8, 1960, pp 40-44.

CB

Sci

Aug 62

209,803

Proportional Counter Filled with a Mixture of  
Xenon and Isopentane, by G. E. Kocharov.

89

V. O. Naydenov.

RUSSIAN, per, Izvestiya Ak Nauk SSSR, Seriya  
Fizicheskaya, Vol 28, No 10, 1964, pp 1725-1727.

P910293567

Sci Tech Info Facility

ST-EXP-INS-10637

*G. E. Kocharov*

Sci-  
Sept 67

340,958

Concerning the ~~operation~~ Operation of Proportional  
Counters, by G. A. Korolev, G. E. Kocharov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz,  
Vol XXV, No 7, 1961, pp 866-870.

CTT

Sci  
Sep 62

# 210,674

~~XXXXXX~~

Total Ionization Produced by Alpha-Particles in  
Gas Mixtures, by G. E. Kocharov, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXV,  
No 7, 1961, pp 862-865.

CTT

Sci  
Sep 62

210,673

Investigation of Pulses Arising on the Grid of an  
Ionisation Chamber, by G. A. Korolev, G. E. Kocharov,  
8 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIV,  
No 3, 1960, pp 357-364

CTT

Sci  
May 61

152, 386

Fine Structure of the Alpha-Spectrum of Th<sup>229</sup>, by  
G. E. Kocharyan, A. P. Komar, G. A. Korolev, I. N.  
Marov, Yu. A. Surkov, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIII,  
No 7, 1959, pp 855-858.

Columbia Tech

Sci

129,340

Oct 60

Investigation of the Lower Excited Levels of  
 $\text{Th}^{230}$  by Observing  $\alpha$ - $\gamma$  Coincidences, by A. P.  
Komar, G. A. Korolev, G. E. Kocharov, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXII,  
No 7, 1958, pp 824-826.

Columbia Tech

Sci + Phys

Oct 59

99,340

Effect of source thickness on the shape of the energy  
and directional distributions of alpha-particles, by  
N.K. Abrosimov, E.E. Kocharov, 8pp.

ISSIAV, pmt, Iz Ak Nauk SSSR, Ser Fiz, Vol XVI, No 2  
1962, pp 237-244.

OTT

Sci

233, 284

Feb 63

Energy Spectra of Alpha Particles from the  
Long-Lived Isotopes  $\text{Th}^{232}$  and  $\text{U}^{235}$ , by G. E.  
Kocharov, A. P. Kemer, G. A. Korolev, 6 pp.

RUSSIAN, par. Three Paper 1 Secret Plz, Vol.  
XXIVI, No 1 (2), pp 68-75.

18  
Amer Inst of Phys  
Rev Phys - JUN  
76-27(29)-201

Aug 99

93 984

A ~~High-Grade~~ ~~Document~~ ~~High-Security~~,  
by G. E. ~~McGraw~~, G. A. ~~McGraw~~, 19 ~~ED.~~  
~~McGraw~~, ~~1962~~, ~~To All Who Serve Our U.S.A.~~  
~~Vol. XIV~~, ~~No. 4~~, ~~1962~~, ~~ED. 207-256.~~

CHP

See

Apr 62

.200,343

Improvement in the Energy Resolution of the Pulse Ionization Chamber With Grid, by D. A. Kochagov,  
G. Ye. Kocharov, G. F. Kirshin, 6 pp.

MEZHN, par, Pribory i Tekhnika, No 6, 1957,  
pp 72-74.

AMC tr-3938

Sci - Phys  
Apr 60

112, 983

Republic of Mali Press Agency, by Il. Koumarov, 2 pp.

MOSCOW, per, Gostiny Dvor Avtobusy No 6, 1962.

CIA/PDD IX-157  
NOT RELEASABLE TO FOREIGN NATIONALS

202

Oct 62

UNCLASSIFIED USE ONLY

Degradation and Thermal Aging of Polychlorophene  
Rubber, by Kacharyan.  
RUSSIAN, per, Doklady Nauk Armyanskoy SSR, Vol  
36, No 2, 1963, pp 85-87.  
NASA TT F-11,801

KACHARYAN

Sci-Materials  
June 68

Energy Spectra and Nuclear Interactions of  
Cosmic-Ray Particles, R. M. Kocharyan, G. S.  
Sayakyan, and Z. A. Kirakosyan, 10 pp.

RUSSIAN, per, Zhur Eksp i Teoret Fiz, Vol XXXV,  
No 6(12), 1959, pp 1325-13349

Amer Inst of Phys  
Sov Phys - JETP  
Vol VIII(35), No 6

Sci - Phys

Jun 59

89,061

Polarization of High-Energy  $\mu^+$  Mesons in Cosmic  
Ray, by N. M. Kocharyan, Z. A. Kirakosyan, N. G.  
Shatroyan, A. P. Filkalov, 3 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXVIII,  
No 1, 1950, pp 18-21.

Amer Inst of Phys  
Sov Phys - JETP  
Vol XI, No 1

Set -  
Aug 60

122, 133